

REMARKS/ARGUMENTS

Reconsideration and withdrawal of the rejections of the application are respectfully requested in view of the amendments and remarks herewith, which place the application into condition for allowance. The present amendment is being made to facilitate prosecution of the application.

I. STATUS OF THE CLAIMS AND FORMAL MATTERS

Claims 41-76 are pending. Claims 41 and 59, which are independent, are hereby amended. Claims 1-40 are canceled, without prejudice or disclaimer of subject matter. No new matter is added by these amendments. Support for the amended recitations in the claims is found throughout the specification and from the canceled claims. Changes to claims are not made for the purpose of patentability within the meaning of 35 U.S.C. §101, §102, §103, or §112. Rather, these changes are made simply for clarification and to round out the scope of protection to which Applicant is entitled.

II. REJECTIONS UNDER 35 U.S.C. §102

Claims 41-76 were rejected under 35 U.S.C. §102(e) as allegedly anticipated by U.S. Patent No. 6,631,122 to Arunachalam.

Claim 41 recites, *inter alia*:

“A processing system...comprising...

a QoS broker unit being managed by the component coordinator unit and coordinating management of resources of the wireless mobile device and of remote resources by using said negotiation and re-negotiation protocol.” (emphasis added)

As understood by Applicant, U.S. Patent No. 6,674,873 to Arunachalam et al. relates to a method of inserting an additional information item in a set of digital data representing physical quantities, the data having been processed by transformation, quantization and entropic coding in order to be compressed, characterized in that it comprises the steps of extracting a subset of low-frequency coefficients, from the set of data, entropic decoding of the coefficients of the subset, modulation of the decoded coefficients by a signal representing the additional information item, so as to form quantized watermarked coefficients, entropic coding of the watermarked coefficients, and insertion of the watermarked encoded coefficients in place of the coefficients of the subset, in the set of data.

The general concept of the invention is a generic framework for a wireless mobile device for supporting applications installed on the mobile device whenever Quality of Service communications with other devices in the communication network are required. The present invention focuses on functions, which are integrated in the mobile device in order to guarantee Quality of Service for local resources, i.e. resources of the mobile device, and remote resources, i.e. resources of the network. In order to achieve these functionalities, a component coordinator unit and a Quality of Service broker unit as defined and claimed in amended independent claims 41 and 59 are presented.

In contrast to the prior art, the present invention enables not only network resources to be monitored and controlled in order to guarantee Quality of Services, but also resources of the mobile device itself. As understood by Applicant, Arunachalam discloses the concept of a Quality of Service agent, which is tightly coupled with a Quality of Service manager. The Quality of Service agent is a function of the terminal

device and depends on the Quality of Service manager, which is a function of the network. The Quality of Service manager, i.e. the network constantly brokers any adaptation of resource usage, whereby resources of the network are managed and controlled. The Quality of Service agent disclosed by Arunachalam can be compared to the low-level functionality accessed by the framework described e.g. in the block "Quality of Service and Mobility Enhanced Network Protocol Stack" in Fig. 3 of the subject patent application. As a result, the content of the present invention deals with functions or functionalities, which are placed at a much higher level as compared to the Quality of Service agent disclosed by Arunachalam (column 4, lines 16-59).

Applicant submits that Arunachalam et al. does not teach or suggest the above-identified features of claim 41. Specifically, Applicant submits that there is no teaching or suggestion of a QoS broker unit being managed by a component coordinator unit and coordinating management of resources of a wireless mobile device and of remote resources by using negotiation and re-negotiation protocols, as recited in claim 41.

Therefore, Applicant submits that independent claim 41 is patentable.

For reasons similar to or somewhat similar to those described above with regard to independent claim 41, amended independent claim 59 is also believed to be patentable.

Therefore, Applicant submits that independent claims 41 and 59 are patentable.

III. DEPENDENT CLAIMS

The other claims are dependent from one of the independent claims, discussed above, and are therefore believed patentable for at least the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual reconsideration of the patentability of each on its own merits is respectfully requested.

CONCLUSION

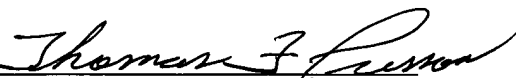
In the event the Examiner disagrees with any of statements appearing above with respect to the disclosure in the cited reference, it is respectfully requested that the Examiner specifically indicate those portions of the reference, providing the basis for a contrary view.

Please charge any additional fees that may be needed, and credit any overpayment, to our Deposit Account No. 50-0320.

In view of the foregoing amendments and remarks, it is believed that all of the claims in this application are patentable and Applicant respectfully requests early passage to issue of the present application.

Respectfully submitted,

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